

CLAIMS

1. Stable, palatable syrup containing S(+)-ibuprofen, characterised in that it
5 contains 0.01 to 2 % (w/v) of S(+)-ibuprofen, preferably 1 % of S(+)-
ibuprofen, hydroxypropyl beta-cyclodextrin, at least one sweetener, water, and
optionally essential oils, wherein the weight ratio of S(+)-ibuprofen to
hydroxypropyl beta-cyclodextrin is 1:10 to 1:18, preferably 1:10.8 to 1:12.
2. The syrup according to claim 1, characterised in that the sweetener is selected
10 from the group consisting of sucrose, sorbitol and glycerin, and preferably
their combination.
3. The syrup according to claim 1, characterised in that it contains one or more
sweeteners selected from the group consisting of sucrose, sorbitol and
glycerin, and preferably their combination, and one or more essential oils
15 selected from the group consisting of lemon, orange, peppermint and
lemongrass essential oils.
4. A method of preparation of the syrup of claim 1, characterised in that
crystalline S(+)-ibuprofen is dissolved at a temperature within the range from
15 to 50 °C in a 29 – 43 % (w/w) hydroxypropyl beta-cyclodextrin aqueous
20 solution and the final S(+)-ibuprofen concentration is adjusted as desired by
addition of aqueous solution of sweeteners and/or mixture of sweeteners and
optionally of water.
5. The method according to claim 4, characterised in that the concentration of
hydroxypropyl beta-cyclodextrin aqueous solution is 31 to 34 % (w/w).
- 25 6. The method according to claim 4, characterised in that the S(+)-ibuprofen is
dissolved at temperature within the range from 40 to 45 °C.
7. A method of preparation of the syrup of claim 3, characterised in that
crystalline S(+)-ibuprofen is dissolved at a temperature within the range from
15 to 50 °C in a 29 – 43 % (w/w) hydroxypropyl beta-cyclodextrin aqueous
30 solution, the resulting solution is combined with a solution of an essential oil

in a suitable sweetener or mixture of sweeteners, preferably in a mixture of glycerin and 70 % sorbitol aqueous solution, and the final S(+)-ibuprofen concentration is adjusted as desired by addition of an aqueous solution of sweetener and/or mixture of sweeteners and optionally of water.

- 5 8. The method according to claim 7, characterised in that the concentration of hydroxypropyl beta-cyclodextrin aqueous solution is 31 to 34 % (w/w).
9. The method according to claim 7, characterised in that the S(+)-ibuprofen is dissolved at temperature within the range from 15 to 50 °C, preferably within the range from 40 to 45 °C.
- 10 10. The method according to claim 7, characterised in that the essential oils are added in the form of a clear solution.